

Programming in C/C++

Exercises set five: grammatical parsers

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Exercise 30, calculator

We got a calculator grammar.

Code listings

Listing 1: grammar.gr

```
1 %baseclass-preinclude cmath
2 %type double
3
4 %token NUMBER
5 %left NEGATION
6 %left '*'
7 %left '/'
8 %left '+'
9 %left '-'
10 %left '$'
11
12 %%
13
14 input:
15     // empty
16 |
17     input line
18 ;
```

This is *UMINUS* (renamed) \Rightarrow NAE
Also: wrong precedence. (Or at least confusing.
Don't play Frank's proposed tricks on me :))